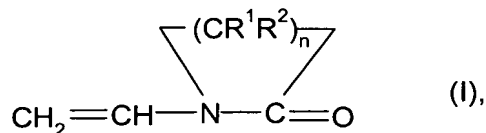


IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A process for preparing a water-in-water dispersion of polyvinyl lactam having a K value of  $\geq 30$  and  $\leq 110$  by free-radically initiated polymerization of at least one N-vinyl lactam of general formula I



where

$\text{R}^1$  and  $\text{R}^2$  independently of one another are hydrogen and/or  $\text{C}_1\text{-C}_8$  alkyl and

$n$  is an integer from 2 to 8,

in an aqueous reaction medium,

wherein said at least one N-vinyl lactam I used for the polymerization is composed of at least 50% by weight of N-vinyl-2-pyrrolidone ( $\text{R}^1$  and  $\text{R}^2$  as hydrogen,  $n$  as 3) and the free-radically initiated polymerization of said at least one N-vinyl lactam I takes place in the presence of

- a) from 1 to 100% by weight, based on the saturation amount in the aqueous reaction medium, of at least one organic or inorganic salt,
- b) from 0.1 to 30% by weight of at least one protective colloid, based on the total amount of said at least one N-vinyl lactam I used for the polymerization, and
- c) from 0.01 to 3% by weight of at least one free-radical initiator, based on the total amount of said at least one N-vinyl lactam I used for the polymerization,

and the reaction conditions are chosen so that during the polymerization reaction at least a portion of said at least one N-vinyl lactam I and of the polyvinyl lactam formed therefrom by polymerization are present in the form of a separate phase in the aqueous reaction medium.

Claim 2 (Original): A process according to claim 1, wherein the polymerization is carried out using  $\geq 20\%$  by weight of said at least one N-vinyl lactam I, based on the total amount of the resulting aqueous polyvinyl lactam dispersion.

Claim 3 (Currently Amended): A process according to ~~either of claims 1 and 2~~ claim 1, wherein the polymerization takes place by the feed technique.

Claim 4 (Original): A process according to claim 3, wherein at least one portion of said at least one organic or inorganic salt and of said at least one protective colloid and also if appropriate a portion of said at least one free-radical initiator and/or of said at least one N-vinyl lactam I are introduced as an initial charge in the aqueous reaction medium and under polymerization conditions the remainders if appropriate of said at least one organic or inorganic salt and of said at least one protective colloid and also the entirety or remainder if appropriate of said at least one free-radical initiator and/or of said at least one N-vinyl lactam I are metered in continuously.

Claim 5 (Currently Amended): A process according to ~~any one of claims 1 to 4~~ claim 1, wherein the entirety of said at least one N-vinyl lactam I is polymerized to a conversion of  $\geq 90\%$  by weight.

Claim 6 (Original): A process according to claim 5, wherein the polymerization is completed by metering additionally from 0.05 to 1.5% by weight, based on the total amount of said at least one N-vinyl lactam I used for the polymerization, of at least one free-radical initiator into the polymerization mixture under polymerization conditions.

Claim 7 (Currently Amended): A process according to ~~any one of claims 1 to 6~~ claim 1, wherein said at least one N-vinyl lactam I used for the polymerization is exclusively N-vinyl-2-pyrrolidone.

Claim 8 (Currently Amended): A process according to ~~any one of claims 1 to 7~~ claim 1, wherein as said at least one protective colloid an anionic or cationic protective colloid is used.

Claim 9 (Currently Amended): A process according to ~~any one of claims 1 to 8~~ claim 1, wherein as said at least one salt the salt of an organic C<sub>1</sub> to C<sub>15</sub> carboxylic acid is used.

Claim 10 (Currently Amended): An aqueous polyvinyl lactam dispersion obtainable by a process according to ~~any one of claims 1 to 9~~ claim 1.

Claim 11 (Currently Amended): The ~~use of~~ method of using an aqueous polyvinyl lactam dispersion according to claim 10 as a component in drug or cosmetic products, in adhesives or heat transfer fluids, or in coating, thickener, adsorber, binder, laundry detergent, plastics, ceramics, refrigerant, ink or pigment formulations.

Claim 12 (Currently Amended): The ~~use of~~ method of using an aqueous polyvinyl lactam dispersion according to claim 10 as a component in a metal quenching bath.

Claim 13 (Original): A metal quenching bath comprising an aqueous polyvinyl lactam dispersion according to claim 10.

Claim 14 (Currently Amended): The ~~use of~~ method of using an aqueous polyvinylactam dispersion according to claim 10 as a component in an adhesive formulation for gluesticks.

Claim 15 (Original): An adhesive formulation for gluesticks, comprising an aqueous polyvinylactam dispersion according to claim 10.

Claim 16 (Original): An adhesive formulation according to claim 15, wherein the aqueous polyvinylactam dispersion has a polyvinylactam solids content  $\geq 25\%$  by weight and the polyvinylactam present in the aqueous dispersion has a K value of  $\geq 60$  to  $\leq 100$ .